

$^{10}\text{B}(\text{n},\text{n}) \text{ res}$ **1960Da08**

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, C. G. Sheu		NP A880, 88 (2012)	1-Jan-2011

1960Da08: $^{10}\text{B}(\text{n},\text{n})$.1970As10: $^{10}\text{B}(\text{n},\text{n})$ $E < 130$ keV, measured relative $\sigma(E)$.1970Co12: $^{10}\text{B}(\text{n},\text{n}), (\text{n},\text{n}')$ $E = 9.72$ MeV, measured $\sigma(E_{N'}, \theta)$.1970Va19: $^{10}\text{B}(\text{n},\text{n}), (\text{n},\text{n}')$ $E = 14.1$ MeV, measured $\sigma(E_{N'}, \theta)$. Deduced optical model parameters.1971La10: $^{10}\text{B}(\text{n},\text{n})$ $E = 0.075-2.2$ MeV, measured $\sigma(E, \theta)$, $P(E, \theta)$, $\sigma(E, E_\alpha, \theta)$. ^{11}B deduced resonances, J, π .1973Co05: $^{10}\text{B}(\text{n},\text{n})$ $E = 2.63$ MeV, measured $\sigma(\theta)$, polarization. ^{11}B deduced levels, J, π, L , resonance parameters.1973Ha64: $^{10}\text{B}(\text{n},\text{n})$ $1.5 < E < 4.4$ MeV, measured $\sigma(\theta)$. ^{11}B deduced levels, J, π, L , resonance parameters.1974Hy01: $^{10}\text{B}(\text{n},\text{n}), (\text{n},\text{n}')$ $E = 14.1$ MeV, measured $\sigma(E_{N'}, \theta)$. Deduced optical parameters.1978Kn01: $^{10}\text{B}(\text{n},\text{n})$ $E = 4-8$ MeV, measured $\sigma(E, \theta)$.1982Gi02: $^{10}\text{B}(\text{n},\text{n})$ $E = 8-14$ MeV, measured $\sigma(\theta)$. Deduced integrated $\sigma(E)$.1983Da22: $^{10}\text{B}(\text{n},\text{n})$ $E = 7-15$ MeV, measured $\sigma(\theta)$. Deduced spherical optical model parameters.1983Ko17: $^{10}\text{B}(\text{n},\text{n})$ $E = \text{slow}$. Deduced complex spin state scattering lengths, bound atoms.1988Re09: $^{10}\text{B}(\text{n},\text{n}), (\text{n},\text{n}')$ $E = 8.25$ MeV, measured neutron spectra.1990Sa24: $^{10}\text{B}(\text{n},\text{n}), (\text{n},\text{n}')$ $E = 3-12$ MeV, measured $\sigma(\theta, E)$. ^{11}B deduced levels, J, π , reduced widths. R-matrix analysis.1996Ch33: $^{10}\text{B}(\text{n},\text{n})$ $E \leq 200$ MeV, analyzed reaction, total $\sigma(E)$. ^{11}B Levels

E(level) [†]	T _{1/2}	Comments
13.2×10^3	260 keV	
$14.0 \times 10^3?$		Γ : Broad.
14.57×10^3	370 keV	
15.2×10^3		
15.75×10^3		

† From (1960Da08). Most subsequent (n, n') studies included analysis of (n, α) data in their results.